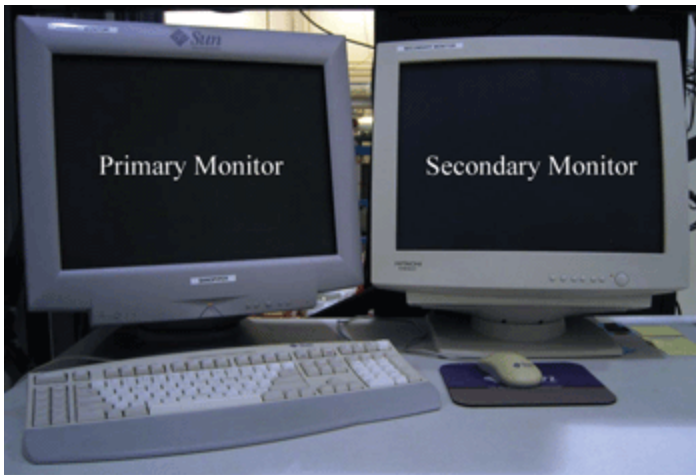


9-BM Primary Computer Operations Cheat Sheet:

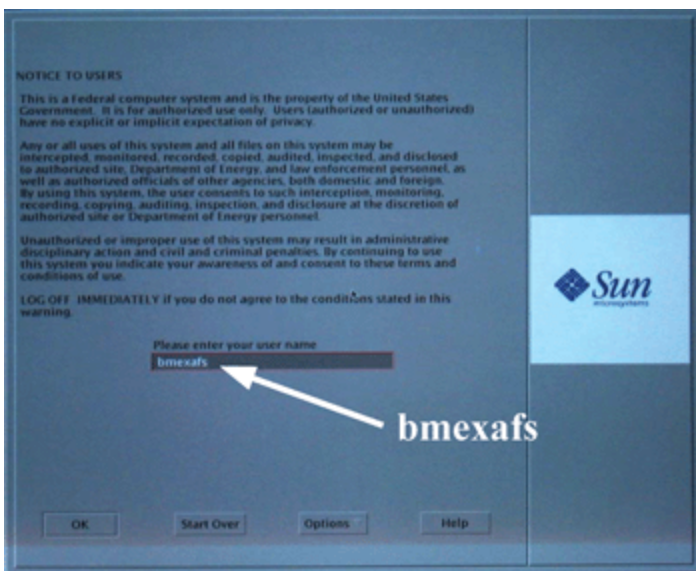
(Also see [Secondary Computer Cheat Sheet](#))

Note: Click on Photos to Enlarge

- **Computer:** Sandpiper

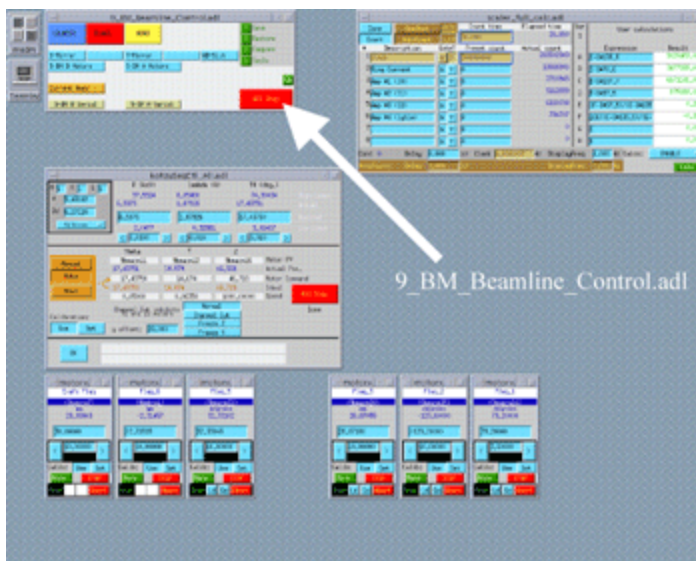


- **User name:** bmexafs

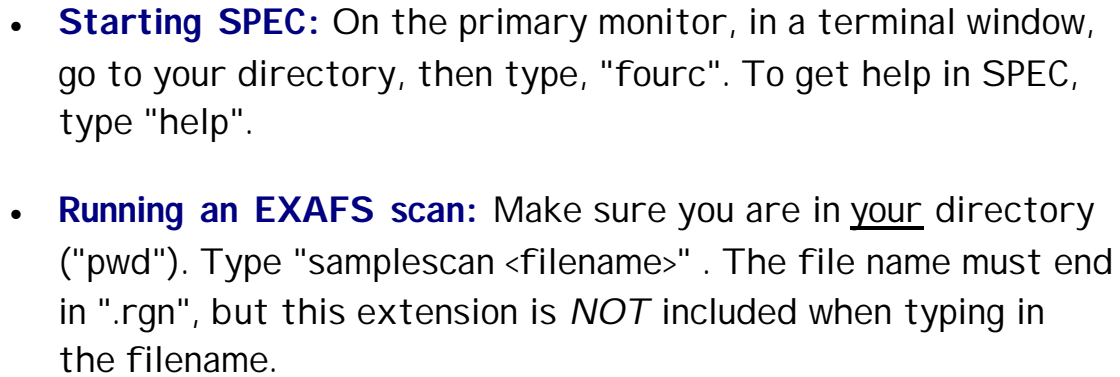


-
- **Password:** ask beamline staff
 - **Printer name on beamline:** killdeer
 - **Twth:** tweaks theta to get more intensity
-

- **Starting EPICS:** On the secondary monitor there is a terminal set up. (If there is not a terminal, right-click the mouse and choose from the menu.) Type "bmepics". The most relevant windows open up automatically. Other windows can be accessed from the menu, which also appears. It is named "BM_Beamline_Control.adl".



-
- **Starting EPICS with ONLY the "BM_Beamline_Control.adl" window showing:** "abmepics".
 - **Automatic Front End Shutter operation:** Open a terminal window and at the prompt type "9BMFEPS".

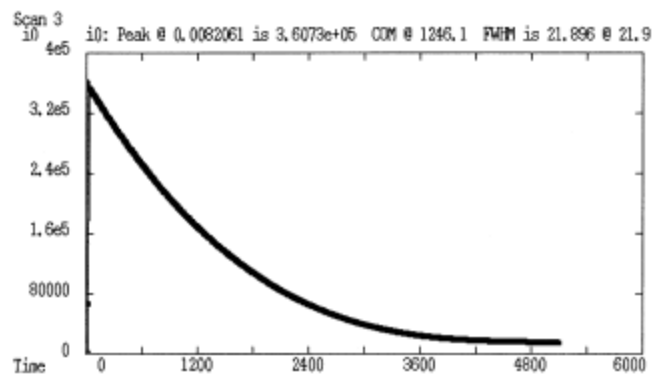


- **Running a macro:** "qdo <filename>"
- For a list of SPEC Macros, click [here](#).

- **Plotting in SPEC -**
SPEC will plot curves for different ion chambers as desired. To change the default displayed on screen: plotselect <ion chamber name>

Example: Plotselect
i0

(Default
Ion
Chamber
r
PI
otted is
i0)

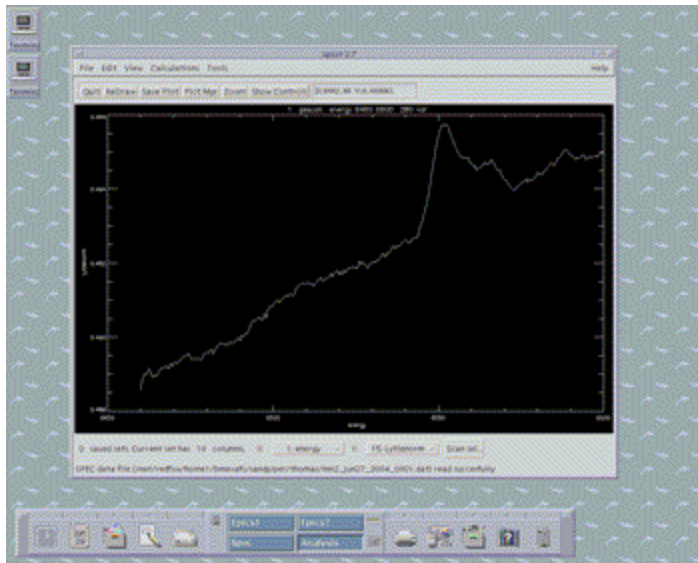


- **To see a plot of another ion chamber for the same scan (default not changed):**

Splot <ion chamber name>

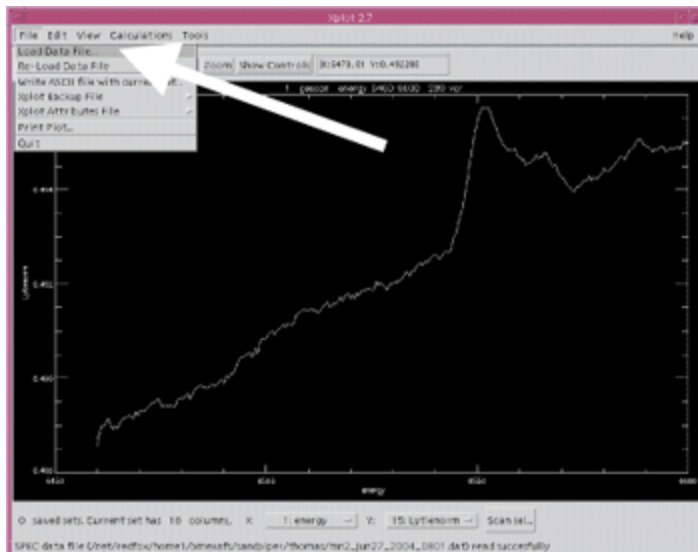
- **Printing a SPEC Plot:** FOURC>xdump

Analysis Package: XOP Xplot



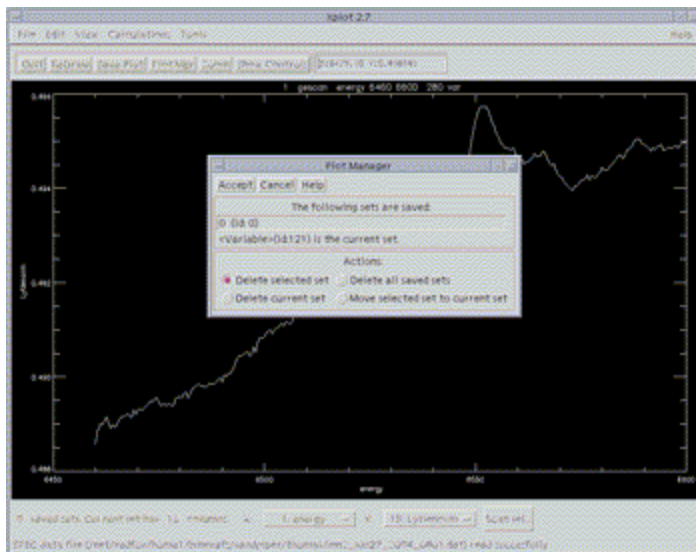
- **Starting the analysis package:** In a terminal window, type "xop xplot".

- **Plotting data:** File → load data file → filename



- **Plotting two or more sets of data simultaneously:** load a scan, hit "save plot" after each set is plotted. Keep track of the x- and y- scales when doing this; the scale is chosen automatically for the most recently-loaded set.

- **To clear the saved data sets:** Plotmgr → select set(s) to be cleared.



- **Changing the x- and y- scales:** Edit → set → limits and styles

- **Printing Plots:** make sure that "lp %F" and *NOTHING* else is in the print window (the default is "lp -d %F".)

